

OU1 Design Change and Modification Sheet: Change/Modification # 27

This form is used to document changes and modification to the approved plans.

This form will be kept with the official Quality Control Site Plan.

Date Initiated: 5/21/12	Date Exe	cuted: 5/24/12	
Property ID: Operable Unit 1 (Area 2)			
Design Change / Modification Description:			
soil at the rear/northerly side eliminate the development of	ter hydrant pad. Place 1.5" cr e of the concrete pad to facilit f mud resulting from water ru	tate run-off drainage and	
concrete pad.			
Changes marked on Quality	Control Plans? Yes	No	
Signatures: Approved: USACE or EPA:		Date: <u>5-24-1</u> 7	
City of Libby: Jim Hum	nmar	Date: <u>5/24/201</u> 2	
Acknowledged: CQC:		Date: 5/24//3	
TQA: Julia		Date: <u>\$\24\12</u>	

ESTIMATED RESTORATION VOLUMES:

COMMON FILL - 1,260 CY

TOP SOIL - 395 CY

3/4" MINUS STRUCTURAL FILL - 200 CY

THESE VOLUMES DO NOT INCLUDE THE BOAT RAMP RESTORATION.

NOTE FOR AREA 2 - RIVERFRONT PARK

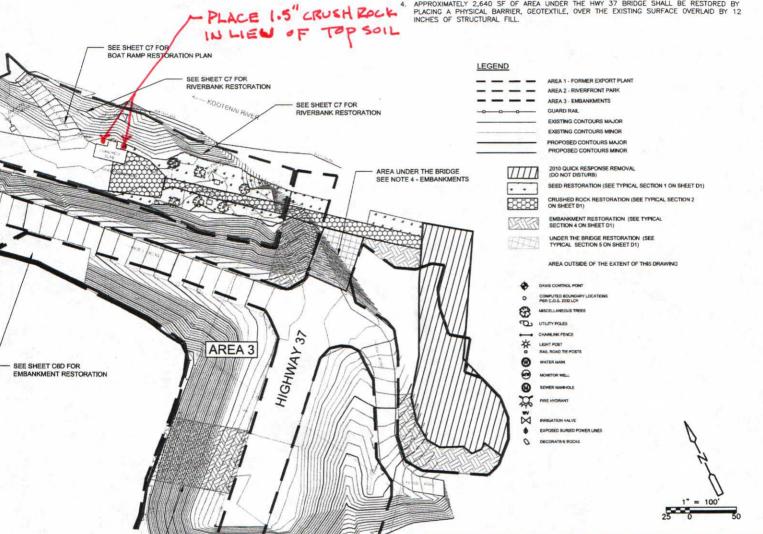
1. ALL DISTURBED AREAS SHALL BE SEEDED AND REVEGETATED.

NOTES FOR AREA 3 - EMBANKMENTS

ALL AREAS SHALL BE GRADED TO BLEND INTO THE SURROUNDING GRADE. EROSION CONTROL BLANKETS (APPROXIMATELY 21,865 SF) SHALL BE PLACED ON THE DISTURBED AREAS AS PER MANUFACTURER'S SPECIFICATION AND SEEDED AS SHOWN ON DETAIL A ON SHEET DI.

COMPACTION SHALL BE ATTAINED AS PER CURRENT MDT SPECIFICATIONS USING EITHER A STAND—ALONE COMPACTOR OR A COMPACTION ATTACHMENT ON AN EXCAVATOR. DISTURBED AREAS SHALL BE SEEDED ACCORDING TO MDT SPECIFICATIONS.

APPROXIMATELY 2,640 SF OF AREA UNDER THE HWY 37 BRIDGE SHALL BE RESTORED BY PLACING A PHYSICAL BARRIER, GEOTEXTILE, OVER THE EXISTING SURFACE OVERLAID BY 12 INCHES OF STRUCTURAL FILL.



DURABLE, PROCESSED, THE STATE OF MONTANA ISHED BASE COURSE

3/4 INCHES IN THE WN IN TABLE 2

'ERCENT NES PER WEIGHT 1 TO 68 5 TO 42 7 TO 30

0 TO 17

SEED MIX FOR DISTURBED AREAS WITHIN MDT RIGHT OF WAYS
RIPARIAN WHEATGRASS 2 LBS/ACRE
HARD FESCUE 5 LBS/ACRE

SEE DETAIL A ON SHEET D1 FOR EMBANKMENT RESTORATION (TYP)

TALL FESCUE

CANADA BLUEGRASS REGAR MEADOW BROME 5 LBS/ACRE

20 LBS/ACRE ESTIMATED DISTURBED AREA = 0.5 ACRES

1. EMBANKMENT AREAS SHALL BE SEEDED ACCORDING TO MDT SPECIFICATIONS.

3 LBS/ACRE

- SEED MIX IS APPLICABLE FOR ALL AREAS TO BE RESTORED AS HYDROSEED, EMBANKMENT RESTORATION AND PLANTED RIPRAP.
- CONTRACTOR ALSO RESPONSIBLE FOR RESTORING AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.

CDM Federal Programs Corporation

REV.1

G. MCKENZIE

G. MCKENZIE

Submitted by:

PROJECT REVIEW COMMENTS



Revisions Descriptions

> US ARMY CORPS OF ENGINEERS OMAHA DISTRICT RAPID RESPONSE PROGRAM

Date

2/1/12 GM

Approved

Designed by:	•
K. MAINZHAUSEN	1
Drawn by:	US EPA Region VIII
K. HUFFSMITH	Denver, Colorado
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OU1-REMEDIAL ACTION PROPOSED AREAS 2 & 3

LIBBY ASBESTOS PROJECT

LIBBY, MONTANA

RESTORATION PLAN

Scale:	1" = 100'	Sheet number:	Plot Scale:
Date:	FEBRUARY 2012	CF	Design File:
Dwg. No.:	7	C5	File K:\Libby OU\DMC\September 2011 dwg\C5 PROPOSED INTIAL GRADING NO.: AREAS 2 & 3.dwg